

**Figure 1**

ATGTCCTTGTGGCTGGGGGCCCCCTGTGCCTGACATTCCTCCTGACTCTGCGGTGG  
AGCTGTGGAAGCCAGGCGCACAGGATGCAAGCAGCCAGGCCAGGGAGGCAGC  
AGCTGCATCCTCAGAGAGGAAGCCAGGATGCCCACTCTGCTGGGGGTACTGCA  
GGGGTGGGGCTGGAGGCTGCAGAGCCCACAGCCCTGCTCACCAGGGCAGAGCC  
CCCTTCAGAACCCACAGAGATCCGTCCACAAAAGCGGAAAAAGGGGCCAGCCC  
CCAAAATGCTGGGGAACGAGCTATGCAGCGTGTGTGGGGACAAGGCCTCGGGC  
TTCCACTACAATGTTCTGAGCTGCGAGGGCTGCAAGGGATTCTTCCGCCGCAGC  
GTCATCAAGGGAGCGCACTACATCTGCCACAGTGGCGGCCACTGCCCCATGGAC  
ACCTACATGCGTCGCAAGTGCCAGGAGTGTGCGGCTTCGCAAATGCCGTCAGGCT  
GGCATGCGGGAGGAGTGTGTCCTGTCAGAAGAACAGATCCGCCTGAAGAACT  
GAAGCGGCAAGAGGAGGAACAGGCTCATGCCACATCCTTGCCCCCAGGCGTT  
CCTCACCCCCCAAATCCTGCCCCAGCTCAGCCCGGAACAACCTGGGCATGATCG  
AGAAGCTCGTCGCTGCCAGCAACAGTGTAACCGGCGCTCCTTTTCTGACCGGC  
TTCGAGTCACGCCTTGGCCCATGGCACCAGATCCCCATAGCCGGGAGGCCCGTC  
AGCAGCGCTTTGCCCACTTCACTGAGCTGGCCATCGTCTCTGTGCAGGAGATAG  
TTGACTTTGCTAAACAGCTACCCGGCTTCCTGCAGCTCAGCCGGGAGGACCAGA  
TTGCCCTGCTGAAGACCTCTGCGATCGAGGTGATGCTTCTGGAGACATCTCGGA  
GGTACAACCCTGGGAGTGAGAGTATCACCTTCCTCAAGGATTTCAGTTATAACC  
GGGAAGACTTTGCCAAAGCAGGGCTGCAAGTGGAATTCATCAACCCCATCTTCG  
AGTTCTCCAGGGCCATGAATGAGCTGCAACTCAATGATGCCGAGTTTGCCTTGC  
TCATTGCTATCAGCATCTTCTCTGCAGACCGGCCCAACGTGCAGGACCAGCTCC  
AGGTGGAGAGGCTGCAGCACACATATGTGGAAGCCCTGCATGCCTACGTCTCCA  
TCCACCATCCCCATGACCGACTGATGTTCCCACGGATGCTAATGAAACTGGTGA  
GCCTCCGGACCTGAGCAGCGTCCACTCAGAGCAAGTGTTTGCAGTGGTCTGC  
AGGACAAAAAGCTCCACCGCTGCTCTCTGAGATCTGGGATGTGCACGAATGA

**Figure 2**

MSLWLGA VPDIPDS AVELWKPGAQDASSQAQGGSSCILREEARMPHSAGGTAG  
VGLEAAEPTALLTRA EPPSEPT EIRPQKRKKGPAPKMLGNELCSVCGDKASGFHYN  
VLSCEGCKGFFRRSVIKGAHYICHSGGHCPMDTYMRRKCQECRLRKC RQAGMREE  
CVLSEEQIRLKKLKRQEEEAHATSLPPRRSSPPQILPQLSPEQLGMIEKL VAAQQQC  
NRRSFS DRLRVTPWPMAPD PHSREARQQRFAHFTELAIVSVQEIVDFAKQLPGFLQL  
SREDQIAL LKTS AIEV MLLET SRRYNPGSE SITFLKDFSYNREDFAKAGLQVEFINPIF  
EFSRAMNELQLNDAEFALLIAISIFSADRPNVQDQLQVERLQHTYVEALHAYVSIHH  
PHDRLMFPRMLMKLVSLRTLSSV HSEQVFALRLQDKKL PPLLSEIWDVHE

**Figure 3**

ATGTCCTCTCCTACCACGAGTTCCCTGGATACCCCCCTGCCTGGAAATGGCCCCC  
CTCAGCCTGGCGCCCCCTTCTTCTTACCCACTGTAAAGGAGGAGGGTCCGGAGC  
CGTGGCCCCGGGGGTCCGGACCCTGATGTCCCAGGCACTGATGAGGCCAGCTCAG  
CCTGCAGCACAGACTGGGTTCATCCCAGATCCCGAAGAGGAACCAGAGCGCAAG  
CGAAAGAAGGGCCCAGCCCCGAAGATGCTGGGGCCACGAGCTTTGCCGTGTCTGT  
GGGGACAAGGCCTCCGGCTTCCACTACAACGTGCTCAGCTGCGAAGGCTGCAA  
GGGCTTCTTCCGGCGCAGTGTGGTCCGTGGTGGGGCCAGGCGCTATGCCTGCCG  
GGGTGGCGGAACCTGCCAGATGGACGCTTTCATGCGGCGCAAGTGCCAGCAGT  
GCCGGCTGCGCAAGTGCAAGGAGGCAGGGATGAGGGAGCAGTGCGTCCTTTCT  
GAAGAACAGATCCGGAAGAAGAAGATTCGGAAACAGCAGCAGGAGTCACAGT  
CACAGTCGCAGTCACCTGTGGGGCCGCAGGGCAGCAGCAGCTCAGCCTCTGGG  
CCTGGGGGCTTCCCCTGGTGGATCTGAGGCAGGCAGCCAGGGCTCCGGGGAAGG  
CGAGGGTGTCCAGCTAACAGCGGCTCAAGAACTAATGATCCAGCAGTTGGTGG  
CGGCCCAACTGCAGTGCAACAAACGCTCCTTCTCCGACCAGCCCCAAAGTCACGC  
CCTGGCCCCCTGGGCGCAGACCCCCAGTCCCGAGATGCCCGCCAGCAACGCTTTG  
CCCCTTCACGGAGCTGGCCATCATCTCAGTCCAGGAGATCGTGGACTTCGCTA  
AGCAAGTGCCTGGTTTCCTGCAGCTGGGCGGGGAGGACCAGATCGCCCTCCTGA  
AGGCATCCACTATCGAGATCATGCTGCTAGAGACAGCCAGGCGCTACAACCAC  
GAGACAGAGTGTATCACCTTCTTGAAGGACTTCACCTACAGCAAGGACGACTTC  
CACCGTGCAGGCCTGCAGGTGGAGTTCATCAACCCCATCTTCGAGTTCTCGCGG  
GCCATGCGGCGGCTGGGCCTGGACGACGCTGAGTACGCCCTGCTCATCGCCATC  
AACATCTTCTCGGCCGACCGGCCCAACGTGCAGGAGCCGGGCCGCGTGGAGGC  
GTTGCAGCAGCCCTACGTGGAGGCGCTGCTGTCCTACACGCGCATCAAGAGGCC  
GCAGGACCAGCTGCGCTTCCCGCGCATGCTCATGAAGCTGGTGAGCCTGCGCAC  
GCTGAGCTCTGTGCACTCGGAGCAGGTCTTCGCCTTGCGGCTCCAGGACAAGAA  
GCTGCCGCCTCTGCTGTGCGGAGATCTGGGACGTCCACGAGTGA

**Figure 4**

MSSPTTSSLDTPLPGNGPPQPGAPSSSPTVKEEGPEPWPGGPD PDVPGTDEASSACST  
DWVIPDPEEEPERKRKKGPAPKMLGHELRCVCGDKASGFHYNVLSCEGCKGFFRRS  
VVRGGARRYACRGGGTCQMDAFMRRKCQQCRLRKCKEAGMREQCVLSEEQIRKK  
KIRKQQQESQSQSQSPVGPQGSSSSASGPGASPGGSEAGSQGSGE GEGVQLTAAQEL  
MIQQLVAAQLQCNKRSFSDQPKVTPWPLGADPQSRDARQQRFAHFTELAISVQEIV  
DFAKQVPGFLQLGREDQIALLKASTIEIMLLETARRYNHETECITFLKDFTYSKDDFH  
RAGLQVEFINPIFEFSRAMRRLGLDDAEYALLIAINIFSADRPNVQEPGRVEALQQPY  
VEALLSYTRIKRPQDQLRFPRMLMKLVSLRTLSSVHSEQVFALRLQDKKLPPLLSEI  
WDVH